

# **BATHING ARTICLE HAVING DETERGENT CONTAINED IN A SURFACE LAYER**

## **FIELD OF THE INVENTION**

The present invention relates to a bathing article having  
5 detergent contained in a surface layer and particularly to a  
disposable mesh, fibrous or sponge type bathing substance  
with the detergent sprayed to a surface layer.

## **BACKGROUND OF THE INVENTION**

Conventional bathing substances and detergents are  
10 usually made and stored separately. When in use, the bathing  
substance is wetted, and then the detergent is added. After the  
bathing substance is squeezed and scrubbed to generate a  
frothy lather, it may be used to scrub the body for cleaning. It  
is a troublesome chore.

15 To overcome this, there is an approach to make the  
detergent in a cake as disclosed in ROC patent publication No.  
172897, entitled "Tearable fibrous soap" which has the  
detergent mixed in a fibrous bathing substance as shown in  
FIG. 1. It is more convenient than the conventional ones. As it  
20 already contains detergent, and is ready for use without the  
need to add detergent. Such a fibrous soap has filaments  
jutting slightly out to clear away dirt and massage the body.  
There is no need to waste time fetching detergent and  
repeatedly scrubbing. When the soap is consumed it becomes  
25 thin and small. The filaments extend outside; these fibers

may be removed to prevent the filaments from extending too far and hindering the contact between soap and skin.

While it is more convenient, it is still not desirable for use in hotels. People are very concern of personal hygiene these  
5 days; hotels usually provide personal bathing articles for guests who stay over a short period. The conventional cleaning article mentioned above contains a lot of detergent. However, it has to be thrown away after use for one or a few times for hygienic reasons, regardless if there is still detergent.  
10 It is wasteful.

### **SUMMARY OF THE INVENTION**

Therefore the primary object of the invention is to provide a disposable bathing article that has detergent contained in a surface layer to meet personal hygienic requirements. It  
15 includes a bathing substance and detergent. The bathing substance is made from a mesh material, porous fibers or sponge. A thin layer of detergent or soap film is coated on the surface layer of the porous material. The detergent or soap film is preferably applied through spraying.

20 The foregoing, as well as additional objects, features and advantages of the invention will be more readily apparent from the following detailed description, which proceeds with reference to the accompanying drawings.

### **BRIEF DESCRIPTION OF THE DRAWINGS**

25 FIG. 1 is a schematic view of a conventional bathing article.

FIG. 2 is a perspective view of the present invention for surface processing.

FIG. 3 is a schematic view of an embodiment of the present invention.

5    **DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS**

Referring to FIG. 2, the bathing substance 1 according to the invention includes a porous structure coated with a thin layer of detergent 3 or soap on the surface. The detergent 3  
10 may be ejected from a nozzle 2 to adhere to the surface of a bathing substance 1. As the detergent 3 is coated on the surface of the bathing substance 1 by spraying, the bathing substance 1 has to be made from a material of a lower density such as a mesh material, porous fibrous material or sponge so  
15 that the detergent 3 may attach more easily.

Refer to FIG. 3 for a bathing article 4 that contains detergent 3 according to the invention. As the bathing substance 1 has detergent 3 adhered on the surface, once wetted, it may be used to clean the body. Since the detergent 3  
20 is attached merely to the surface of the bathing substance 1, its may be used about once. Thus the bathing article 4 of the invention may be disposable.

While the preferred embodiments of the invention have been set forth for the purpose of disclosure, modifications of  
25 the disclosed embodiments of the invention as well as other

embodiments thereof may occur to those skilled in the art. Accordingly, the appended claims are intended to cover all embodiments which do not depart from the spirit and scope of the invention.